First & Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

BR-131/31/05/14.
No. B 192150

SDR-103/31/05/14

Name of work: Improvements to Roads and drains at Narayanappa Layout in ward No-14 From ..... To .....

Name of Contractor of nature of Agency: K.R.I.D.L

Date of commencement of work: .....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Work Code No:- 010-14-000036						
Work order No:- EE/BTP/KRIDL/WO/473/2013-14 Date 21/2/2014.						
Agreement No:- 473. Dated 21/2/2014						
Address of Agency:- #119, 14th Cross, Silvestra arched 3rd floor East Park road, Malleshwaram. Bangalore - 560003						

Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	1) Earth work excavation by manual means in hard Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m excavated surface leveled and sides neatly						
	Drain Desilting Krw 2nd Stage 2nd cross	2	30.00	0.45	0.35 =	9.45 Cum	
		2	30.00	0.45	0.25 =	6.75 Cum	
		2	30.00	0.45	0.30 =	8.10 Cum	
		2	30.00	0.45	0.30 =	8.10 Cum	
		2	30.00	0.45	0.35 =	9.45 Cum	
		2	30.00	0.45	0.40 =	10.80 Cum	
		2	30.00	0.45	0.35 =	9.45 Cum	
		2	30.00	0.45	0.25 =	6.75 Cum	
	Krw 2nd Stage Main Road	2	22.60	0.45	0.35 =	7.12 Cum	
		2	30.00	0.45	0.25 =	6.75 Cum	
		2	30.00	0.45	0.35 =	9.45 Cum	
		2	21.70	0.45	0.35 =	6.84 Cum	
	Kempanna Layout 1st cross	2	32.50	0.45	0.40 =	11.70 Cum	

Assi... Engine...
Vidyaranyapura ... Division

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192151

..... From ..... To .....

Character of nature of Agency.....

Name of work.....

Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
Stage 2nd Cross	1	30.00	(6.2+6.0)/2	0.20 =	36.60 Cum	
	1	30.00	(6.0+6.10)/2	0.20 =	36.30 Cum	
	1	30.00	(6.10+5.90)/2	0.20 =	36.00 Cum	
	1	30.00	(5.9+6.0)/2	0.20 =	35.70 Cum	
	1	30.00	(6.0+6.80)/2	0.20 =	35.40 Cum	
	1	30.00	(6.8+6.10)/2	0.20 =	35.70 Cum	
	1	30.00	(6.10+6.0)/2	0.15 =	27.23 Cum	
	1	30.00	(6.0+6.0)/2	0.15 =	27.00 Cum	
	1	22.60	(6.0+6.20)/2	0.15 =	20.68 Cum	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	KNV 2nd Stage Main Road						
		1	30.00	$\frac{(5.0+5.0)}{2}$	0.20	= 30.30 Cum	
		1	30.00	$\frac{(5.0+5.0)}{2}$	0.20	= 30.00 Cum	
	Kempapura Layout 1st Cross	1	21.70	$\frac{(5.0+5.20)}{2}$	0.20	= 22.13 Cum	
		1	32.50	5.00	0.20	= 32.50 Cum	
					Total	= 511.25 Cum	
	@ Rs 90.72						Rs 46381/-
2)	Removing B.S. Slab of Drain and stacking						
		2	30.00		1.35	= 81.00 Sqm	
		2	30.00		1.35	= 81.00 Sqm	
		2	30.00		1.35	= 81.00 Sqm	
		2	30.00		1.35	= 81.00 Sqm	
		2	16.80		1.35	= 45.36 Sqm	
		1	28.00		1.35	= 75.60 Sqm	

Assistant Executive Engineer
Vidyaranyapura Sub Division

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192152

From ..... To .....

Name of Agency.....

Name of work.....

Description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	2	30.00		1.35 =	81.00 Sqm	
	2	16.20		1.35 =	43.74 Sqm	
				Total =	567.01 Sqm	
		@ Rs 50.11			Rs	28412.00
Providing Stone Slabs of dressing and Pointing in C.M.						
Qty vide Page 7 Item No-02 =					567.01 Sqm	
		@ Rs 70.04			Rs	39713.00

Assistant Executive Engineer
Vidyaranyapura North Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
1)	providing laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the materials with water at OMC in mechanical mix plat carriage of mixed Material						
	VCRD Cutting KNV 2nd stage 2nd cross	1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	22.60	0.90	0.20	4.07 cum	
	KNV 2nd Stage Main Road	1	30.00	0.90	0.20	5.40 cum	
		1	30.00	0.90	0.20	5.40 cum	
		1	29.70	0.90	0.20	3.91 cum	

Assistant Executive Engineer
Vidyaranyapura Sub Division

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192153

Name .....

Work ..... From ..... To .....

Name and nature of Agency.....

Commencement of work.....

Particulars and description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Layout 88 + Cross	L	32.50	0.90	0.20 =	5.85 Cum	
Bed Surface						
Stage 2nd cross	L	30.00	(6.2+6.0)/2	0.20 =	36.60 Cum	
	L	30.00	(6.0+6.10)/2	0.20 =	36.30 Cum	
	L	30.00	(6.10+5.90)/2	0.20 =	36.00 Cum	
	L	30.00	(5.9+6.0)/2	0.20 =	35.70 Cum	
	L	30.00	(6.0+6.80)/2	0.20 =	35.40 Cum	
	L	30.00	(5.8+6.10)/2	0.20 =	35.70 Cum	
	L	30.00	(6.10+6.0)/2	0.20 =	36.30 Cum	

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Meas.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	KNU 2nd Stage Main Road	1	30.00	$\frac{(6.0+6.0)}{2}$	0.20 =	36.01 Cum	
		1	22.60	$\frac{(6.0+6.20)}{2}$	0.20 =	27.57 Cum	
		1	30.00	$\frac{(5.10+5.10)}{2}$	0.20 =	30.30 Cum	
		1	30.00	$\frac{(5.0+5.0)}{2}$	0.20 =	30.00 Cum	
		1	20.70	$\frac{(5.0+5.20)}{2}$	0.20 =	22.13 Cum	
	Kempanna layout 1st Cross	1	32.50	5.10	0.20 =	32.50 Cum	
					total =	496.40 Cum	
		@ RS 1121.04				RS 556484.00	

5) Cleaning the existing WBM road surface including removing of loose binding materials and other foreign matter with wire brushes and small picks, Sweeping with broom or soft brushes

Assistant Engineer
Vidyaranyapura Sub Div.
BBMP, Bangalore.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

192154

From ..... To .....

Name of Contractor or nature of Agency.....

Name of Measurement of work.....

Particulars description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	8
Stage 2nd Coat	1	30.00	(6.20+6.9)/2	=	183.00 Sqt	
	1	30.00	(6.0+6.10)/2	=	181.50 Sqt	
	1	30.00	(6.10+5.90)/2	=	180.00 Sqt	
	1	30.00	(5.9+6.0)/2	=	178.50 Sqt	
	1	30.00	(6.0+6.80)/2	=	177.00 Sqt	
	1	30.00	(6.8+6.10)/2	=	178.50 Sqt	
	1	30.00	(6.10+6.0)/2	=	181.50 Sqt	
	1	30.00	(6.0+6.0)/2	=	180.00 Sqt	
	1	22.60	(6.0+6.20)/2	=	137.80 Sqt	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Meas.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	KNV 2nd Stage Main Road	1	30.00	$\frac{(5.10+5.10)}{2}$		= 151.50 Sq	
		1	30.00	$\frac{(5.00+5.10)}{2}$		= 150.00 Sq	
		1	21.70	$\frac{(5.00+5.20)}{2}$		= 110.67 Sq	
	Kempanna Layout 1st Cross	1	32.50	5.00		= 162.50 Sq	
						total = 2131.00 Sq	
		@ Rs 10.53				Rs 22439.00	
6)	providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg/Sq mtr						
	Qty vide item no 07					= 2131.00 Sq	
	@ Rs 44.21					Rs 94261.00	

C&P

Assistant Executive Engineer
Vidyaranyapura Sub

M. A. R. 57 (Rule 116)
Measurement Book

No. B

192155

Name ..... From ..... To .....

Name and Address of Agency .....

Name of work .....

Description etc. of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Semi dense bituminous concrete 25mm thick with 100-120 grade VG-30 type HMP producing an average output of 75 tonnes per hour using crushed aggregates	1	30.00	(6.2+6.0)/2	0.025	= 4.58 cum	
	1	30.00	(6.0+6.10)/2	0.025	= 4.58 cum	
	1	30.00	(6.10+5.90)/2	0.025	= 4.58 cum	
	1	30.00	(5.9+6.0)/2	0.025	= 4.46 cum	
	1	30.00	(6.0+6.80)/2	0.025	= 4.43 cum	
	1	30.00	(5.8+6.10)/2	0.025	= 4.46 cum	

Assistant Executive Engine
Vidyaranyapura Sub Divisi
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
		1	30.00	(6.10+6.0)/2	0.025 =	4.54 Cum	
		1	30.00	(6.0+6.0)/2	0.025 =	4.50 Cum	
		1	22.60	(6.0+6.20)/2	0.025 =	3.45 Cum	
		1	30.00	(5.10+5.10)/2	0.025 =	3.79 Cum	
		1	30.00	(5.0+5.0)/2	0.025 =	3.75 Cum	
		1	21.70	(5.0+5.20)/2	0.025 =	2.77 Cum	
		1	32.50	(5.10)/2	0.025 =	4.06 Cum	
					Total =	53.28 Cum	
		@ Rs	963.44			Rs 51316	

Kvv 2nd Stage Main Line

Kempanna Layout 1st Cross

C&FC

Executive Engineer
Vidyaranyapura Division
Yelahanka Zone, BBMP
Bangalore-560 092

Assistant Executive
Vidyaranyapura Sub
BBMP, Bangalore.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

192156

From ..... To .....

Nature of Agency.....

Name of work.....

Description, etc. of work	Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth / Depth		
1	3	4	5 / 6	7	8
For Disposal of Debris shall be payable at carriage rates by mechanical means including loading and unloading Qty vide Item No-01 @ Rs 72.71				= 511.25 Cum.	
				Rs	37173.00
For third party QC charges				Rs	13381.00
For K.R.I.D.L Charges				Rs	147194.01
				Total Rs	1498701.00

Assistant Executive Engineer
Vidyaranyapura Division
Bangalore-97

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AE 31/5/2014.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Certificate Certified that the above work done Satisfactory and no-materials issued from department only Jadhav AE 31/8/2014						

Assistant Engineer
Vidyaranyapura Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

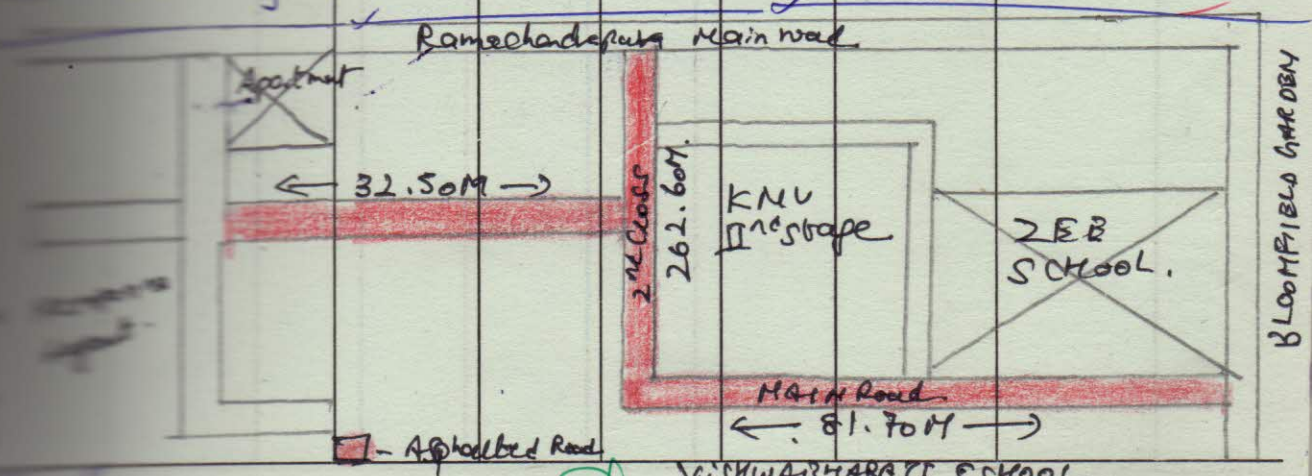
No. B

192157

From ..... To .....

Description etc. of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
	3	4	5	6	7	8

Showing the locations of work done SPOT



Assistant Executive Engineer
Division

31/5/14